

South Dakota Intermediate SWPPP Design Agenda/Topics

Day 1

- 8:00-8:10 Welcome and Introductions
Purpose of class
Housekeeping
- 8:10-9:00 Why We are Here
Effects of sediment in water resources
Contaminants in Storm water runoff
Terminology
Audience facilitated goals for workshop
- 9:00 -9:45 Overview of Design Requirements for Projects
NPDES permit requirements
Purpose of the SWPPP
Top ten permit compliance issues to address with SWPPP design
General SWPPP provisions: temporary and permanent.
- 9:45 -10:00 Break
- 10:00-10:45 Issues to address when Designing Bridges and Culverts
Constructing Piers in river channels
Dewatering for footings.
Temporary access to the work site/ staging areas.
Placing riprap
Working in water
- 10:45-11:15 What Should go into a SWPPP? (Audience facilitated session)
Audience Group problems and discussions
Develop SWPPP list of contents (by audience groups input)
Establish SWPPP benchmarks for content .
- 11:15 -12:00 Critiquing a Prepared SWPPP and Design Plan (Audience facilitated session).
Audience groups review prepared SWPPP used on projects
Audience determines good/weak features of the SWPPP
Audience critiques prepared SWPPP contents relative to benchmarks
- 12:00-1:00 Lunch
- 1:00 -1:30 Options for Perimeter control and Inlet protection on sites.
Silt fence and its design parameters
Berms and buffers, buffer types and widths
Rock logs, compost logs
Driveable types of perimeter control
Drop in inlet bags
Safety overflow on inlet protection

- 1:30 -2:15 Options for Stabilization
 Sod
 Hydromulches
 Straw Mulch
 Erosion control blankets regular and rapid degradable
 Permanent seeding
 Temporary and Rapid Stabilization methods
 Seeding buffers around ponds for nutrient uptake
 Winter shutdown
- 2:15 -2:30 Break
- 2:30-3:20 BMPs and Solutions for Building Bridges and Working in Water
 Sheeting
 Use of Barges
 Floating Silt Curtains and booms
 Pump bypass systems
 Dewatering BMPs
 Staging construction
 Storage sites.
- 3:20 -4:15 Preparing a Site plan
 Audience divided into working groups.
 Groups work on preparing site plans
 Groups report their plans to audience
- 4:15 Close/Wrap up.

Day 2

- 8:00-8:15 Review Day 1
- 8:15-9:00 Provisions for Bridge and Culvert Removal
 Access to site/ work areas./sensitive areas
 Deck removal
 Debris management
 Temporary sheeting
 Pump bypass
- 9:00 -9:45 Preparing another site plan
 Audience divided into working groups
 Working groups prepare site plan number two.
- 9:45-10:00 Break

- 10:00-10:45 Misc Items
 Dewatering protection
 Flocculants
 Street Sweeping
 Entrance protection
 Dust control
 Concrete washout
- 10:45 -11:30 Maintenance, repair ,cleanout and removal requirements
 Who does what?
 Partial payments
 Holding back payments for work not completed.
 Frequency of cleanout to specify in SWPPP
 Maintenance to specify in SWPPP
- 11:30-12:00 Plan notes, tabulations and Pay items
 Examples of notes
 Examples of tabulations
 Payment schedules
- 12:00-1:00 Lunch
- 1:00-1:40 SWPPP Implementation provisions
 Designation of site inspections
 Construction weekly compliance schedules
 Designation of contractors erosion control supervisor
 Chain of Command/subcontractors
 Procedures to modify the SWPPP during construction
 Constructing ponds first
 Stabilization during construction
 Partial project completion/stabilization
 Winter shutdown
- 1:40 -2:30 Preparing the Narrative part of the SWPPP
 Audience breaks into working groups and prepare narratives
 Working groups report their narratives
- 2:30-2:45 Break
- 2:45- 3:45 Putting it all together Completing the SWPPP
 What makes the complete SWPPP
 Comparison of SWPPP with original benchmarks
 Is the SWPPP bidable and buildable?
 Building in flexibility into the SWPPPP
- 3:45 -4:00 BMP Detail sheets
 Examples of BMP details
 Discussion of what to show on detail sheets
- 4:00-4:15 Wrap up